

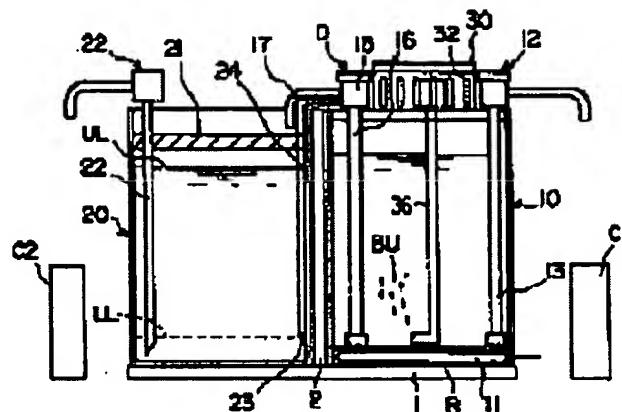
COOL AND WARM WATER FEEDER

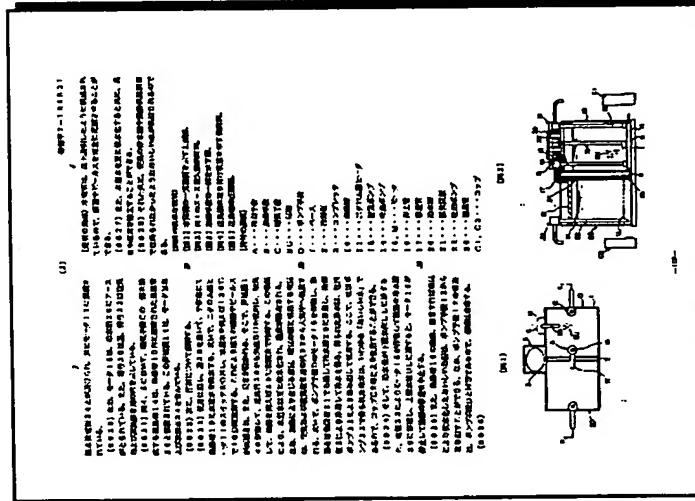
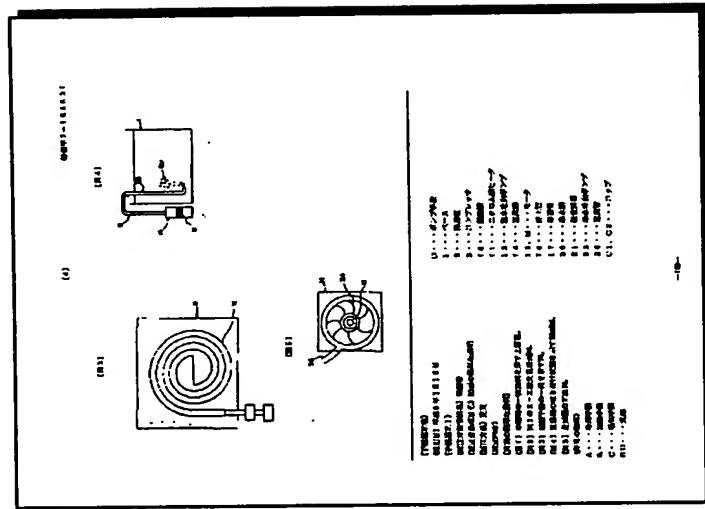
Patent number: JP7185521
Publication date: 1995-07-25
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Classification:
 - **International:** C02F1/02; C02F1/20
 - **European:**
Application number: JP19930334763 19931228
Priority number(s):

Abstract of JP7185521

PURPOSE: To effectively obtain safe and good water by arranging a hot water tank and a cool water tank back to back, providing the hot water tank with an aerating means to make hot water into soft water before transferring it to the cool water tank by a pumping means before using it.

CONSTITUTION: When water is used, city water is fed to a hot water tank 10 with a cover 30 opened. Next, by turning on the switch of a nichrome wire heater 11 to heat water at about 120 deg.C for 10min, bacteria and viruses are exterminated, and also odor is removed. Then, by driving a fan to jet bubbles BU from the lower end of a blowing pipe 36 and aerating the hot water, it is cooled to about 80 deg.C. By this aeration, the city water is made soft water, and also chlorine is removed. Then, a pumping means D is operated and the hot water is filtered by an active carbon plate 21 to transfer it to a cool water tank 20, and cooled by a cooling plate 2 to obtain cool water. The cool water is drawn out by a discharge pump 22 and used. When the level of the cool water attains to the lower limit LL, the pumping means D is restarted to replenish the hot water.





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